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Promat



CAFCO® TOPCOAT 200

Acrylic Polymer Coating

petrochemical applications



For use with Cafco cementitious coatings

www.promat-spray.com

CAFCO® TOPCOAT 200

Acrylic Polymer Coating

INTRODUCTION

CAFCO® TOPCOAT 200 is a single pack, water based acrylic polymer for use as a water vapour permeable topcoat with excellent adhesion. It may be applied by spray, roller or brush.

CAFCO® TOPCOAT 200 is applied over vermiculite and Portland cement based fire resistant coatings that protect steel and concrete substrates against ingress from salt spray, washdown water, chemical spills, rainfall and sprinkler deluge systems.

CAFCO® TOPCOAT 200 may also be used on masonry, brickwork and blockwork, whether dry or damp.



Properties and performance	
Colour and finish	Usually matt white or grey Please contact Promat for other colours
Thickness per coat	150-200 microns wet film thickness (WFT) 68-90 microns dry film thickness (DFT)
Practical coverage	Dependent on surface texture, substrate porosity, application method and technique
Theoretical coverage	6.7m ² /litre at 150 microns WFT 5.0m ² /litre at 200 microns WFT
Number of coats	Normally two coats. It is recommended that the first coat is a different colour from the second coat for identification purposes
Cure	By air drying
Drying time	Touch dry ½ to 1 hour at 20°C and 50% RH Fully dry 2 to 6 hours at 20°C and 50% RH Varies with ambient conditions, but high humidity, low temperature and low air change will hinder cure significantly
Water vapour transmission	25g/m ² over 24 hours for 150 microns tested to BS 3177: 1959
Surface spread of flame	Class 1 to BS 476: Part 7 on non-combustible substrates
Volume of solids	45%
Weight	1.4kg/litre

QUALITY ASSURANCE

Promat operates a quality system in accordance with BS EN ISO 9001: 2000 and has received full accreditation to these standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

ADVANTAGES

- CAFCO® TOPCOAT 200 does not blister when used on steel and concrete substrates because of its water vapour permeability
- Flexible, flame retardant, mould resistant, and helps reduce the carbonation rate of cement based products.



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Preparation	
Typical substrates	Concrete, sand-cement renders, masonry and Promat cementitious fire protective coatings
Substrate preparation	Surfaces to be coated must be free from oil, grease, visible moisture (including condensation), dirt, dust and mould. Cafco cementitious coatings should be surface dry before the application of CAFCO® TOPCOAT 200
Application	
Methods	Stir CAFCO® TOPCOAT 200 before use (do not thin) and apply with an industrial type airless spray or lambswool roller. The latter is not recommended on heavily textured surfaces CAFCO® TOPCOAT 200 may also be applied with a wide nylon or bristle brush in small (maximum 1m ²) areas only
Limitations	CAFCO® TOPCOAT 200 may be applied when the substrate and air temperatures are at least 5°C and rising. Maximum air and substrate temperature is 40°C Substrate temperature should be at least 2°C above dew point temperature Protect from rain, hail etc until dry

PACKAGING

25 litre metal pails.

STORAGE

Protect from frost, excessive heat (above 45°C) and strong radiant sunlight.

SHELF LIFE

Maximum 6 months in original sealed containers.

ENVIRONMENTAL

Do not discharge into drains, watercourses or soil.

HEALTH AND SAFETY

Adequate ventilation must be provided during use. Avoid contact with the skin and eyes by using eye protection, gloves, barrier cream and a face mask.

If the product comes into contact with the skin, wash immediately with soap and water. If the eyes are affected, flush with plenty of water and seek medical attention immediately.

A safety data sheet is available from Promat upon request.

Promat activities are conducted with due regard to all statutory requirements with appropriate safeguards against exposing employees and the public to health and safety risks.



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